Do you speak digital?

DTR Series™
New Customer Installation Guide

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PROGRAMMING GUIDE

Radios are ready to use after a fully-charged battery has been installed. However, they should be programmed to ensure compatibility with existing DTR Series™ radios and to fully utilize all features.

To enter Programming Mode:

1. Hold down and press the PTT button three times
2. Press the right
3. Press the down
4. Press the left
5. Hold down and press the PTT button three times

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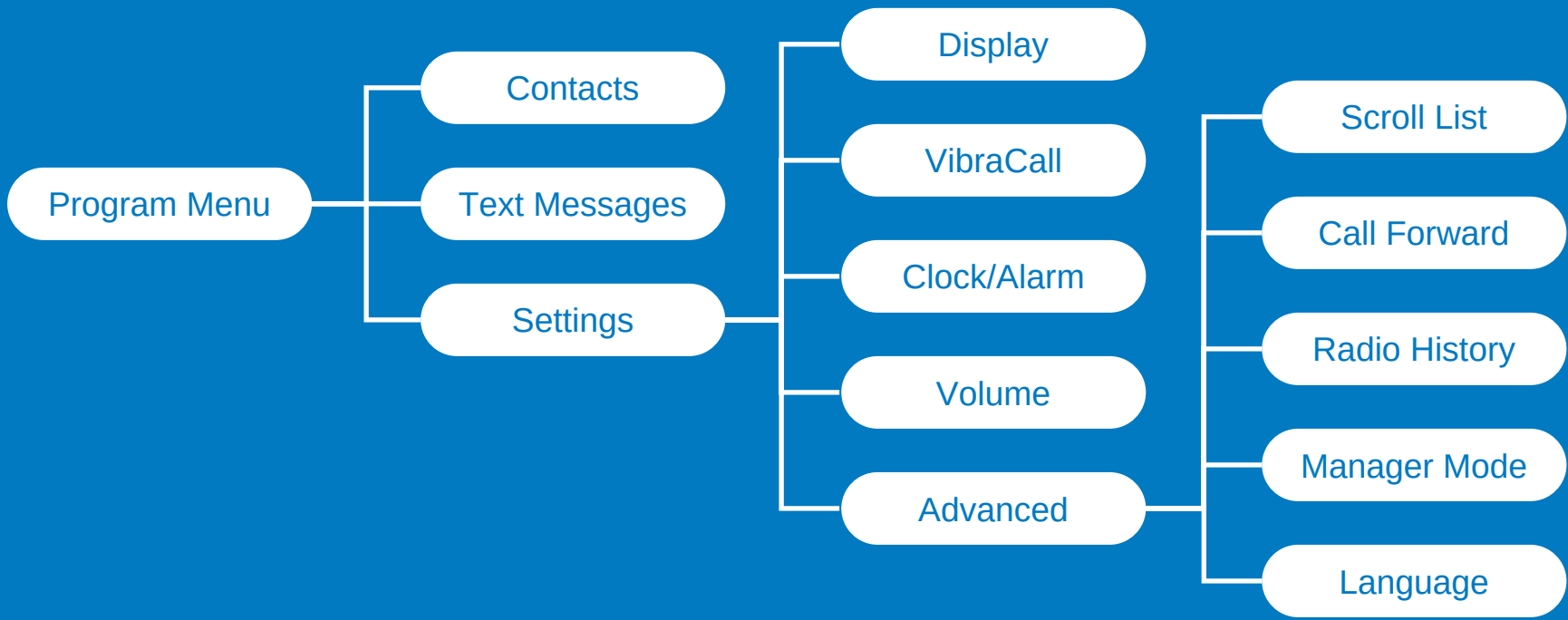
PROGRAMMING MENU



For further information refer to your specific product User Guide included on the CD.

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NEW INSTALLATIONS

While each customer will have unique requirements, the following steps should be considered for a new DTR Series™ installations :

1. **Contacts:** Program all Private/Group Contacts to a master radio as needed. Enter any Public Groups first, followed by Private contacts and then Private Groups.
   DTR Series radios scan up to 5 Private Groups per Channel, Public Groups are not scanned (operate similar to analog channels)
2. **Text Messaging:** Modify existing or enter additional Quicknotes (as necessary)
3. **Settings:** Set current time and date
4. **Advanced Settings:** Set Scroll List (as necessary, all Groups are added)
   Enable Manager Mode (as necessary)
5. **Clone:** Use Cloning Cable to program other radios

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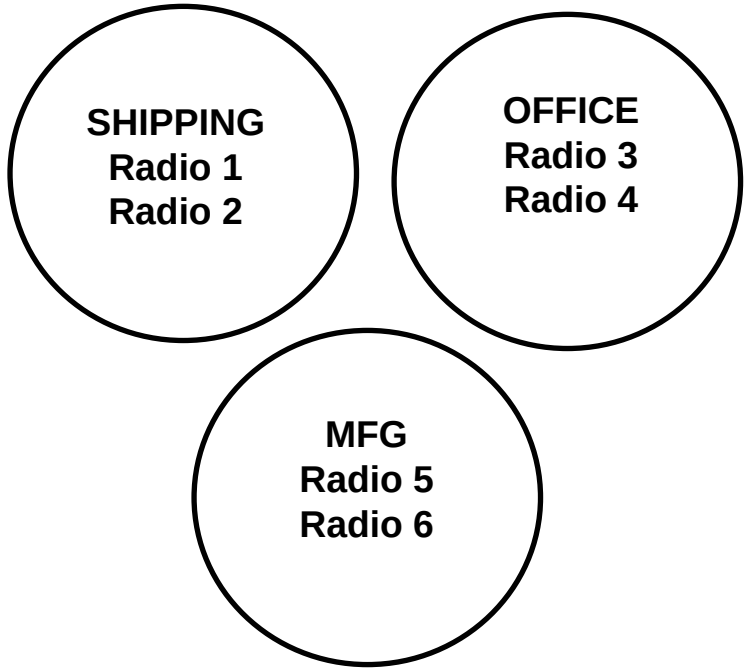
SAMPLE INSTALLATION- Manufacturing

6 radios in 3 functional groups. Each radio needs to be able to talk to their group and any other group or individual upon demand. No radio is a member of multiple groups and no AllCall necessary.



Each group configured as a Public Group, operation similar to Analog (scroll to Group similar to changing channels) with added utility of Private calling.

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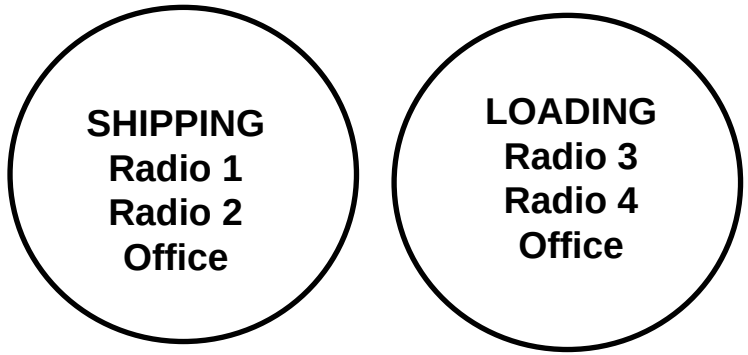
SAMPLE INSTALLATION- Freight Loading

5 radios in 2 functional groups. Employee in Office wants to hear <u>all group communication</u> from both groups.



Each group configured as a Private Group, Office is part of both groups. If Office wants to selectively listen to each group, then they could be configured as Public Groups instead.

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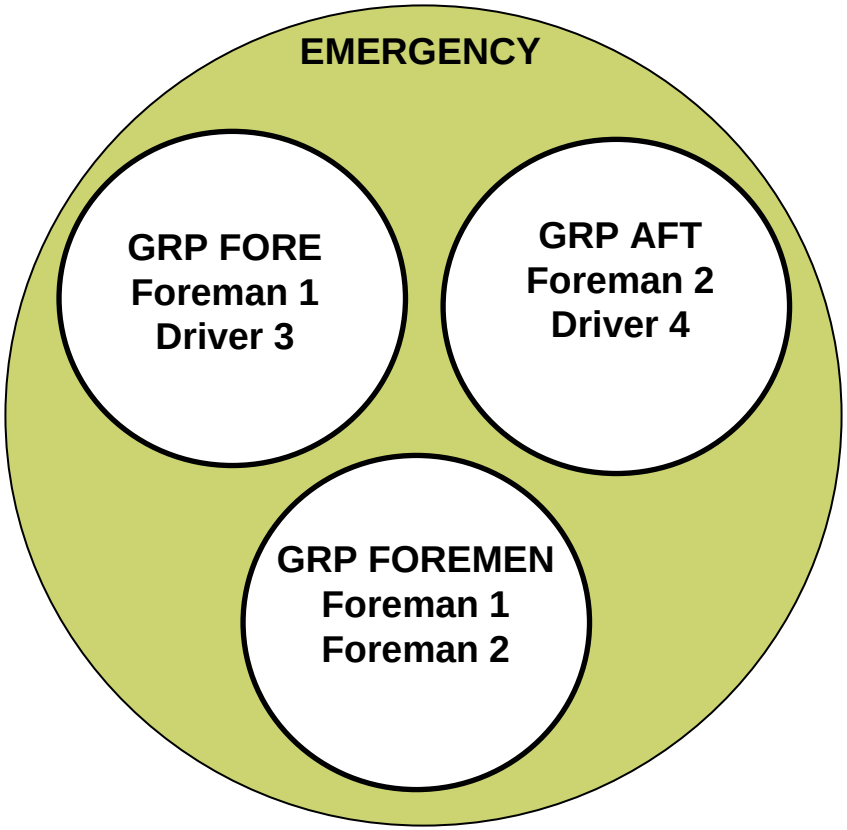
SAMPLE INSTALLATION- Ship Loading

4 radios in 3 functional groups. Each radio needs to be able to always monitor any group they're in as well as talk to other individuals upon demand. Additionally, an Emergency group is needed that can contact all units.



Each group configured as a Private Group, Emergency contains all radios.

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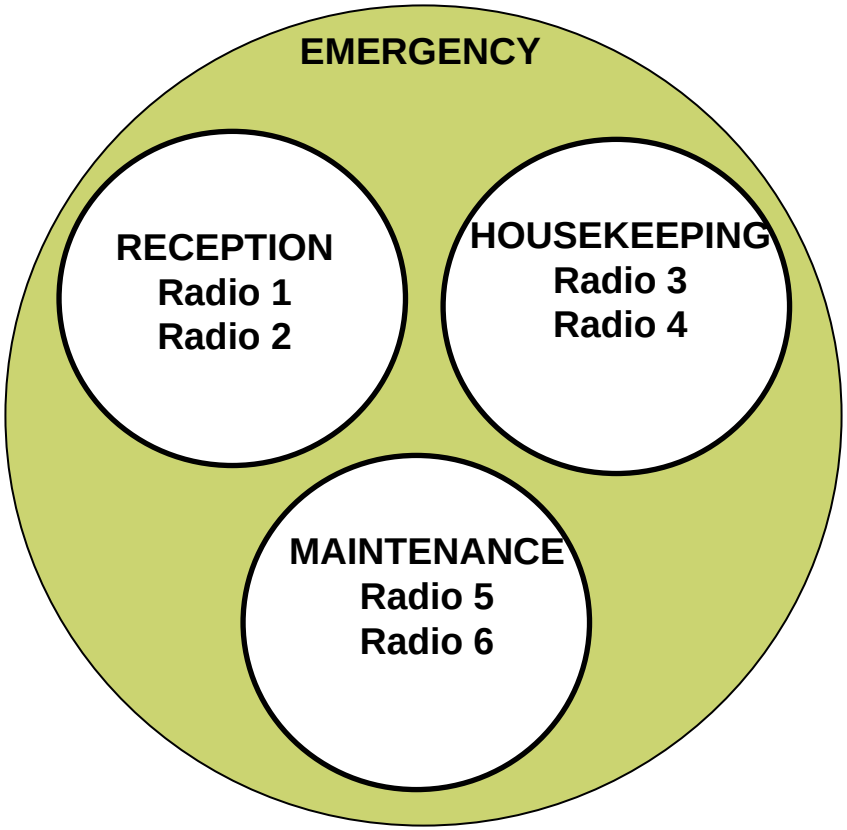
SAMPLE INSTALLATION- Hotel

6 radios in 3 functional groups. Each radio needs to be able to always monitor their group as well as talk to other individuals & groups upon demand. Additionally, an Emergency group is needed that can contact all units.



Each group configured as a Private Group, Emergency contains all radios. Manager Mode enabled on all units so that they can see & contact groups that they are not members of.

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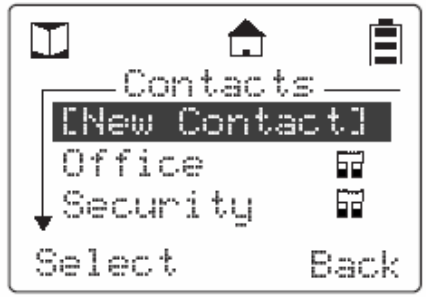
ADDING PUBLIC GROUPS

Public Groups operate similar to channels on analog radios- user will not hear communication unless on that Public Group.

DTR550™ can have a Contact List of up to 20 Public Groups
DTR650™ can have a Contact List of up to 50 Public Groups

1. Select Contacts from the Program Menu
2. Select [New Contact]
3. Change Type to Public Group
4. Select Channel number (1 of 10)
5. Change Name using the Mini Keyboard (if required)
6. Select a Group ID (1 of 100)



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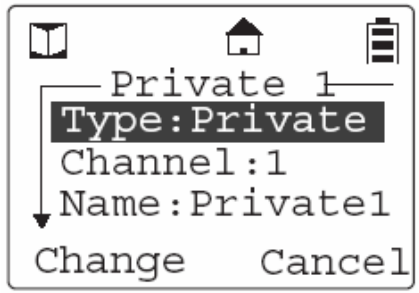
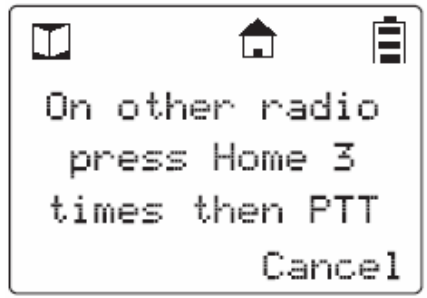
ADDING PRIVATE CONTACTS

DTR550™ / DTR650™ can have up to 150 Contacts (shared Private/Group)





1. Select Contacts from Program Menu
2. Select [New Contact]
3. Select Channel number (1 of 10, a subset of 50 freq.)
4. Enter Unit ID - two entry methods:
   - Read the Unit ID over the air
   - Enter the Unit ID using the Mini Keyboard
5. Change the Unit Name
6. Select Home Group (if required - Scroll List will change to this Group after 30 seconds of inactivity)
7. Change to Group Only (as necessary, prohibits Private calling)
8. Change Ringer tone (as necessary)

Note: radio being programmed will be shown with a ✓ before the Unit Name.

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ADDING PRIVATE GROUPS

DTR Series radios will scan up to 5 Private Groups per Channel

DTR550™ can have a Contact List of up to 10 Private Groups
DTR650™ can have a Contact List of up to 20 Private Groups

1. **Select** Contacts **from the Program Menu**
2. **Select** [New Contact]
3. **Change** Type **to Private Group**
4. **Select** Channel **number (1 of 10)**
5. **Change** Name **using the Mini Keyboard (if required). Group ID is selected from Contact List, which is why Private Groups should only be added after all radios have been added to Contact List**
6. **Select** Group Members, **a ✓ will appear by each member in the Group**

Note: Contacts will only show Private Groups that a radio is a member of. Enable Manager Mode **to show all Private Groups.**

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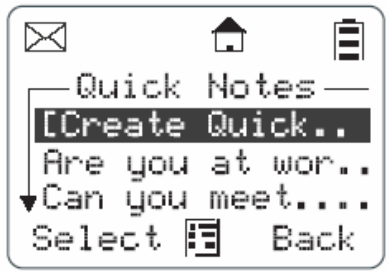
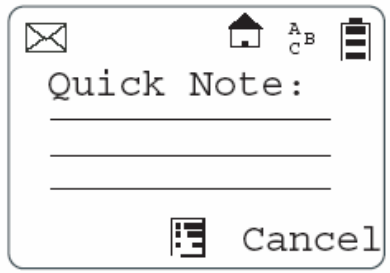
CHANGING/ADDING QUICKNOTES

Customizing the existing Quicknotes or adding new ones using the Mini Keyboard allows customers to increase the utility of Text Messaging





1. **Select** Text Messages **from the Program Menu**

2. **Select** [Create Quicknote] **to add a new text message**

   OR

   Select an existing Quicknote, then press Edit

3. **Press left** ⊖ **to** Save

   Quicknotes are stored alphabetically

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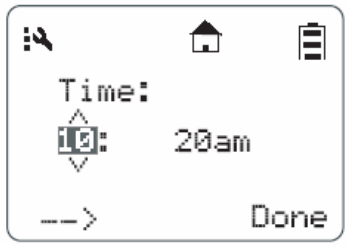
CLOCK- SETTING TIME/DATE

Clock settings can be accessed in either the Main or Programming Menus.

Time and Date should be programmed at initial installation, and can be Cloned or sent Over the Air using the Time Update feature on the DTR650™

1. **Select** Settings **from the Program or Main Menu**

2. **Select** Clock/Alarm



3. **Select Time by pressing** ⬭ **under** Change
   Program correct time following instructions on display

4. **Change** Date **using same interface as above**

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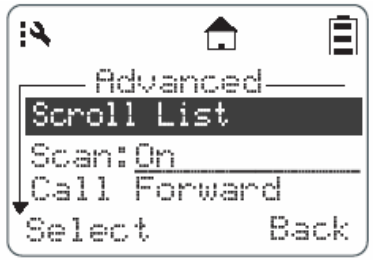
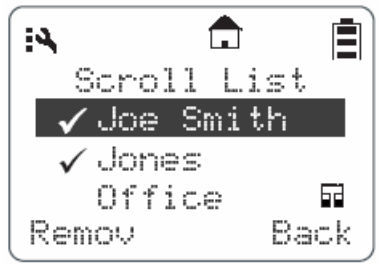
SCROLL LIST

The Scroll List allows for one-touch communication with Contacts

Groups are automatically added to the Scroll List, while Private Contacts must be added manually.



1. **Select Settings from the Main or Program Menu**
2. **Select Advanced from the Settings Menu**
3. **Select Scroll List**
4. **A ✓ to the left of the contact indicates it is in the Scroll List**
   Press the left ⊖ to add or remove a contact



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SCAN LIST

DTR Series™ radios will scan up to 5 Groups per channel, as well as the Group the radio is currently set to.
Factory default groups are programmed to channel 1 with Scan enabled for Public 1-5

To remove a Group from the Scan List:

1. **Select Settings from the Program Menu**
2. **Select Advanced from the Settings Menu**
3. **Select Scan List**
4. **Select a Channel**
5. **A ✓ to the left of the Group indicates it is in the Scan List**
   Press the left ⊖ to add or remove a Group

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MANAGER MODE

Enabling Manager Mode will show all Private Groups in Contacts, including those that the radio is not a member of.

Manager Mode on the DTR650™ also gives Main Menu access to:

Remote Disable
Remote Monitor
Remote Time

1. **Select Settings from the Program Menu**
2. **Select Advanced from the Settings Menu**
3. **Press left ⊂ while highlighting Manager Mode**
4. **A ✓ to the left of On or Off indicates setting**
   Press the left ⊂ to change

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CLONING GUIDE

Cloning is the most efficient way to perform a new installation or add new radios to an existing fleet.

To enter Cloning Mode:

1. Hold down and press the PTT button three times
2. Press the left
3. Press the up
4. Press the right
5. Hold down and press the PTT button three times

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CLONING - DUPLICATE RADIO

The Cloning Cable accessory is required to duplicate a radio.
All User-Programmable Settings are passed to another DTR Series radio.

Cloning is recommended when using Private Groups, as otherwise the Group ID can be different as it is pulled from the radio's Contact List when entered.

1. **Select Duplicate Radio from Clone Menu on Source Radio**
   (Target radio does not need to be in Cloning Mode, but must be turned on)
2. **Connect Cloning Cable to both radios**

3. **Select Clone**
   Radio will indicate cloning status, after cloning is complete
   the target radio must be turned off and back on again before use

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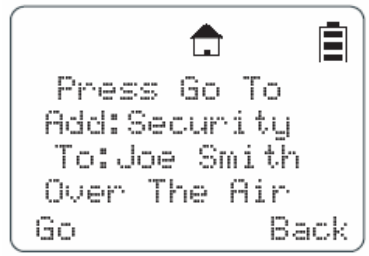
SEND CONTACT

DTR Series™ radios can also add Contacts to other radios Over-The-Air.

This feature can be used to add new radios and for fleet management.

1. **Select Send Contact from Clone Menu**

2. **Highlight Add then press ⊂ under Change**
   Select Group or Private Contact to be sent



3. **Highlight To then press ⊂ under Change**
   Select Private Contact that this should be sent to

4. **Select Prgm, display will verify settings and ask for confirmation**

5. **Select Go to send the contact, display will indicate status**
   Contact can be resent if sending the contact is unsuccessful

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Do you speak digital?

Speak digital — and discover why it's the new language of success for on-site two-way radio communication

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